Patent
Attorney's Docket No. 032230-045

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	)	
	)	
Eugene Joseph, et al.	)	Group Art Unit: 2876
	)	
Application No.: Unassigned Divisional of 09/174,466	)	Examiner: K. Frech
	)	
Filed: June 5, 2001	)	
	)	
For: OPTICAL CODE READER FOR PRODUCING VIDEO DISPLAYS (AS AMENDED)	)	

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination of the above-captioned patent application, kindly enter the following amendments.

TITLE PAGE:

Kindly replace the inventors' names on the title page with the following:

-- EUGENE JOSEPH

DUANFENG HE

MEHUL PATEL

MARK CORREA--

Please replace the title with the following:

--OPTICAL CODE READER FOR PRODUCING VIDEO DISPLAYS--

IN THE SPECIFICATION:

Page 1, before the first line, insert

--This application is a divisional of Application No. 09/174,466, filed on 10/19/98.--

IN THE CLAIMS:

Please cancel claims 1-5, 16-27 and 31-35 without prejudice and replace claims 28-30 as follows:

--28. (Amended) The apparatus of claim 6 further comprising:

an objective lens assembly adapted and positioned for focusing an image onto the two dimensional image sensor; and

a transparent optical element with substantially parallel, planar surfaces, selectively movable into the optical path of the image sensor;

wherein the system has a focal distance adapted for reading code symbols relatively near to the objective lens assembly and another focal distance for imaging scenes relatively far from the objective lens assembly; and

wherein the thickness of the plate is selected to change the focal distance of the system between the one focal distance and the other.

29. (Amended) The optical system of claim 6, wherein the system operates in a hyper-focal mode when the optical element is moved into the optical path of the image sensor.

30. (Amended) The optical code of claim 6, wherein the optical element is a glass plate located in a sector of a rotatable wheel located between the objective lens assembly and the image sensor.--

Please add the following new claims:

--36 (New) A handheld imaging device for reading optical code and providing video image signals comprising:

an image sensor having a field of view;

a manually actuated trigger switch for initiation of reading an optical code in the field of view of the image sensor;

output circuitry for selectively outputting signals from the image sensor corresponding to at least three image frames per second of a changing two dimensional image in the field of view of the image sensor; and

output circuitry for selectively outputting data decoded from an optical code in the field of view of the image sensor.

37. (New) The apparatus of claim 36 further comprising:

means for monitoring the frequency of changes between frames of video data to identify frequency changes indicative of the movement of objects of interest in the field of view.

38. (New) The apparatus of claim 36 further comprising a display for displaying the image of the field of view of the image sensor at a remote terminal for monitoring.

39. (New) A method wherein the apparatus of claim 6 is used to perform optical code reading and to perform area surveillance.--

IN THE ABSTRACT:

Please replace the abstract with the following:

--An imaging optical code reader is adapted for use in producing video displays and for use in motion detection surveillance using video compression and narrow band width communication links. An optical system including a plane parallel plate may be employed to change the system focal distance.--

REMARKS

This divisional application retains claims 6-15 constituting Group II of a Restriction Requirement made in the Official Action of April 12, 2000 in the parent application. The claims relate to use of an optical code reader to obtain video image signals. Original claims 28-30 have been amended to depend from claim 6 of elected Group II. New claims 36-39 have been added within this same group.

Respectfully submitted,

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Date: June 5, 2001

Attachment to Preliminary Amendment dated June 5, 2001

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In the Title Page, inventors names:

EUGENE JOSEPH

[MEHUL PATEL]

DUANFENG HE

[EUGENE JOSEPH]

MEHUL PATEL

[PAUL POLONIEWICZ]

MARK CORREA

[THOMAS BIANCULLI

HOWARD SHEPARD]

In the Title Page, Title:

OPTICAL CODE READER FOR PRODUCING VIDEO DISPLAYS [AND MEASURING PHYSICAL PARAMETERS OF OBJECTS]

In the Abstract:

An imaging optical code reader is adapted for use in producing video displays and for use in motion detection surveillance using video compression and narrow band width communication links. An optical system including a plane parallel plate may be employed to change the system focal distance. [The imaging optical code reader is also adapted for

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measurement of physical parameters of a target object including motion, distance, weight and dimensions.]

Attachment to Preliminary Amendment dated June 5, 2001

Marked-up Claims 28-30

28. (Amended) The apparatus of claim 6 further comprising [An optical system for an optical code reader comprising]:

[an area image sensor;]

an objective lens assembly adapted and positioned for focusing an image onto the [area] two dimensional image sensor; and

a transparent optical element with substantially parallel, planar surfaces, selectively movable into the optical path of the image sensor;

wherein the system has a focal distance adapted for reading code symbols relatively near to the objective lens assembly and another focal distance for imaging scenes relatively far from the objective lens assembly; and

wherein the thickness of the plate is selected to change the focal distance of the system between the one focal distance and the other.

29. (Amended) The optical system of claim [28] 6, wherein the system operates in a hyper-focal mode when the optical element is moved into the optical path of the image sensor.

Attachment to Preliminary Amendment dated June 5, 2001

Marked-up Claims 28-30

30. (Amended) The optical code of claim [28] 6, wherein the optical element is a glass plate located in a sector of a rotatable wheel located between the objective lens assembly and the image sensor.--